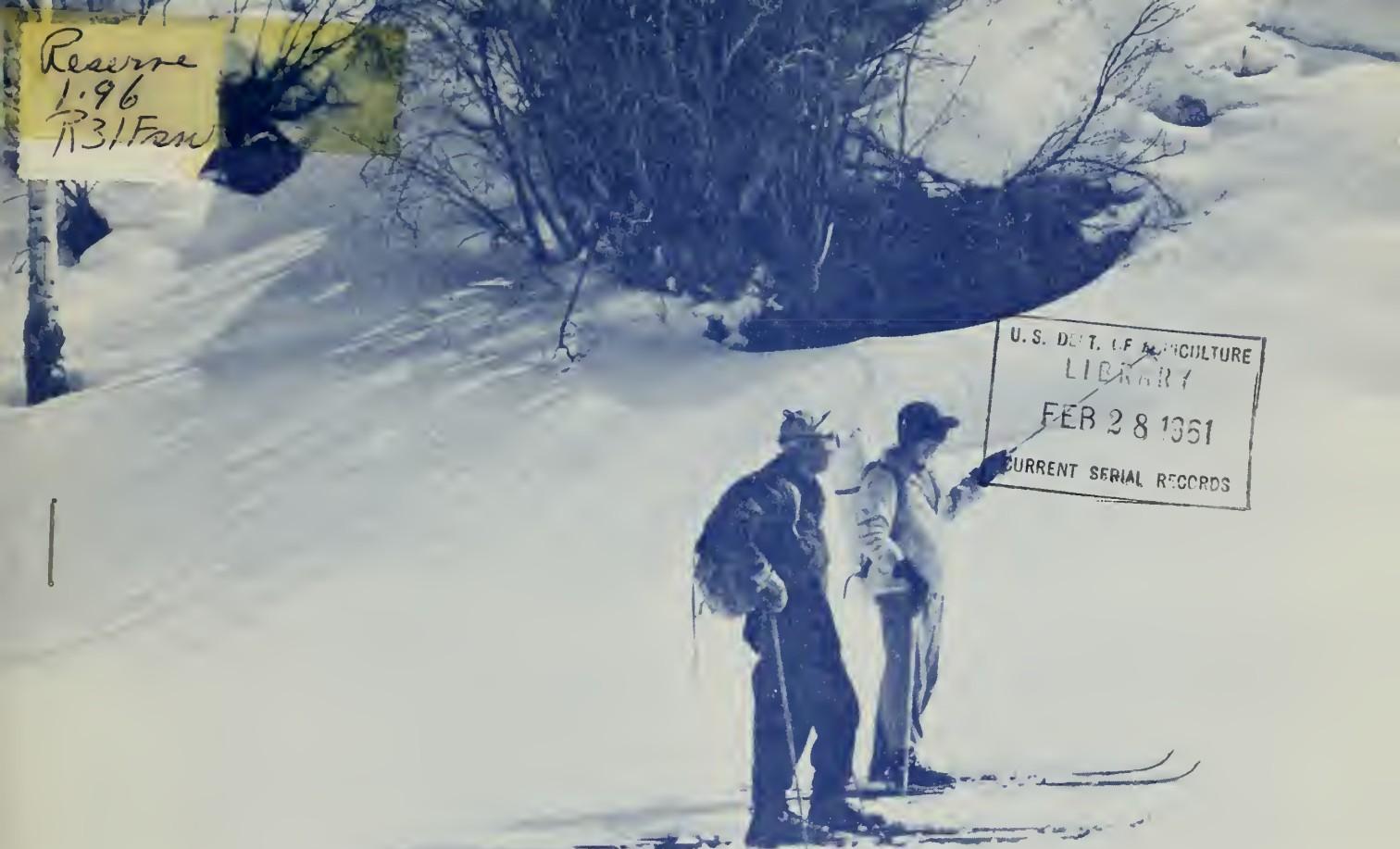


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Do not assume content reflects current scientific knowledge, policies, or practices.



FEDERAL - STATE - PRIVATE
COOPERATIVE
SNOW SURVEY and WATER SUPPLY FORECASTS
for
NEVADA

UNITED STATES DEPARTMENT of AGRICULTURE...SOIL CONSERVATION SERVICE
and

NEVADA DEPARTMENT of CONSERVATION and NATURAL RESOURCES
DIVISION of WATER RESOURCES

Data included in this report were obtained by the agencies named above
in cooperation with the Federal, State and private organizations listed
on the last page of this report.

AS OF
FEB. 1, 1961

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

To Recipients of Cooperative Snow Survey and Water Supply Forecast Reports:

The climate of the cultivated and populated areas of the West is characterized by relatively dry summer months. Such precipitation as occurs falls mostly in the winter and early spring months when it is of little immediate benefit to growing crops. Fortunately, most of this precipitation falls as mountain snow which stays on the ground for months, melting later to sustain streamflow during the period of greatest demand during late spring and summer. Thus, nature provides in mountain snow an imposing water storage facility.

The amount of water stored in mountain snow varies from place to place as well as from year to year and accordingly, so does the runoff of the streams. The best seasonal management of variable western water supplies results from fore-knowledge of the runoff.

A snow survey consists of a series of about ten samples taken with specially designed snow sampling equipment along a permanently marked line, about 1000 feet in length, called a snow course. The use of snow sampling equipment provides snow depth and water equivalent values for each sampling point. The average of these values is reported as the snow survey measurement for a snow course.

Snow surveys are made monthly or semi-monthly beginning in January or February and continue through the snow season until April, May or June. Currently more than 1400 western snow courses are measured each year. These measurements furnish the key data for water supply forecasts.

By relating snow survey measurements taken over a period of years to spring-summer runoff during the same period, relationships have been developed which make it possible to forecast seasonal runoff several months in advance of occurrence. In order to make a forecast, once a forecast relationship has been developed, the maximum snow water content at previously selected key snow courses is usually entered in the forecast relationship. More accurate forecasts are often obtained when other factors such as soil moisture, base flow and spring precipitation are considered and included in the forecast relationships.

Listed below are the Federal-State-Private Cooperative Snow Survey and Water Supply Forecast reports available for the West which contain detailed information on snow survey measurements, streamflow forecasts, reservoir storage, soil moisture and other guide data to water management and conservation decisions.

PUBLISHED BY SOIL CONSERVATION SERVICE

<u>REPORTS</u>	<u>ISSUED</u>	<u>LOCATION</u>	<u>COOPERATING WITH</u>
RIVER BASINS			
COLORADO AND STATE OF UTAH			
COLORADO AND STATE OF UTAH	MONTHLY (JAN. - MAY)	SALT LAKE CITY, UTAH	UTAH STATE ENGINEER AND OTHER AGENCIES
COLUMBIA	MONTHLY (JAN.-MAY)	BOISE, IDAHO	IDAHO STATE RECLAMATION ENGINEER
UPPER MISSOURI AND STATE	MONTHLY (FEB.-MAY)	BOZEMAN, MONTANA	MONT. AGR. EXP. STATION OF MONTANA
WEST-WIDE	OCT. 1, APR. 1, MAY 1	PORTLAND, OREGON	ALL COOPERATORS
STATES			
ALASKA	MONTHLY (MAR.-MAY)	PALMER, ALASKA	ALASKA S.C.D.
ARIZONA	SEMI-MONTHLY (JAN. 15 - APR. 1)	PHOENIX, ARIZONA	SALT R. VALLEY WATER USERS ASSOC. ARIZ. AGR. EXP. STATION
COLORADO AND NEW MEXICO	MONTHLY (FEB.-MAY)	FORT COLLINS, COLORADO	COLO. AGR. EXP. STATION COLO. STATE ENGINEER N. MEX. STATE ENGINEER
IDAHO	MONTHLY (FEB.-MAY)	BOISE, IDAHO	IDAHO STATE RECLAMATION ENGINEER
NEVADA	MONTHLY (FEB.-APR.)	RENO, NEVADA	NEVADA DEPT. OF CONSERVATION AND NATURAL RESOURCES DIVISION OF WATER RESOURCES
OREGON	MONTHLY (JAN.-MAY)	PORTLAND, OREGON	ORE. AGR. EXP. STATION OREGON STATE ENGINEER
WASHINGTON	MONTHLY (FEB.-MAY)	SPOKANE, WASHINGTON	WN. STATE DEPT. OF CONSERVATION
WYOMING	MONTHLY (FEB. JUNE)	CASPER, WYOMING	WYOMING STATE ENGINEER

Copies of these various reports may be secured from: Head, Water Supply Forecasting Section
Soil Conservation Service,
209 S. W. Fifth Ave., Portland 4, Oregon

PUBLISHED BY OTHER AGENCIES

<u>REPORTS</u>	<u>ISSUED</u>	<u>AGENCY</u>
BRITISH COLUMBIA	MONTHLY (FEB.-JUNE)	COMPTROLLER, WATER RIGHTS BR., DEPT. OF LANDS AND FORESTS PARLIAMENT BLDG., VICTORIA, B.C., CANADA
CALIFORNIA	MONTHLY (FEB.-MAY)	CALIF. DEPT. OF WATER RESOURCES, SACRAMENTO, CALIF.

FEDERAL - STATE - PRIVATE
COOPERATIVE

**SNOW SURVEY and WATER SUPPLY FORECASTS
for
NEVADA**

Report prepared by

MANES BARTON
and
ROY E. MALSOR, JR.

SOIL CONSERVATION SERVICE
1479 WELLS AVENUE.....RENO, NEVADA

FEBRUARY 8, 1961

Issued by

CHARLES W. CLEARY, JR.

STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
RENO, NEVADA

HUGH A. SHAMBERGER

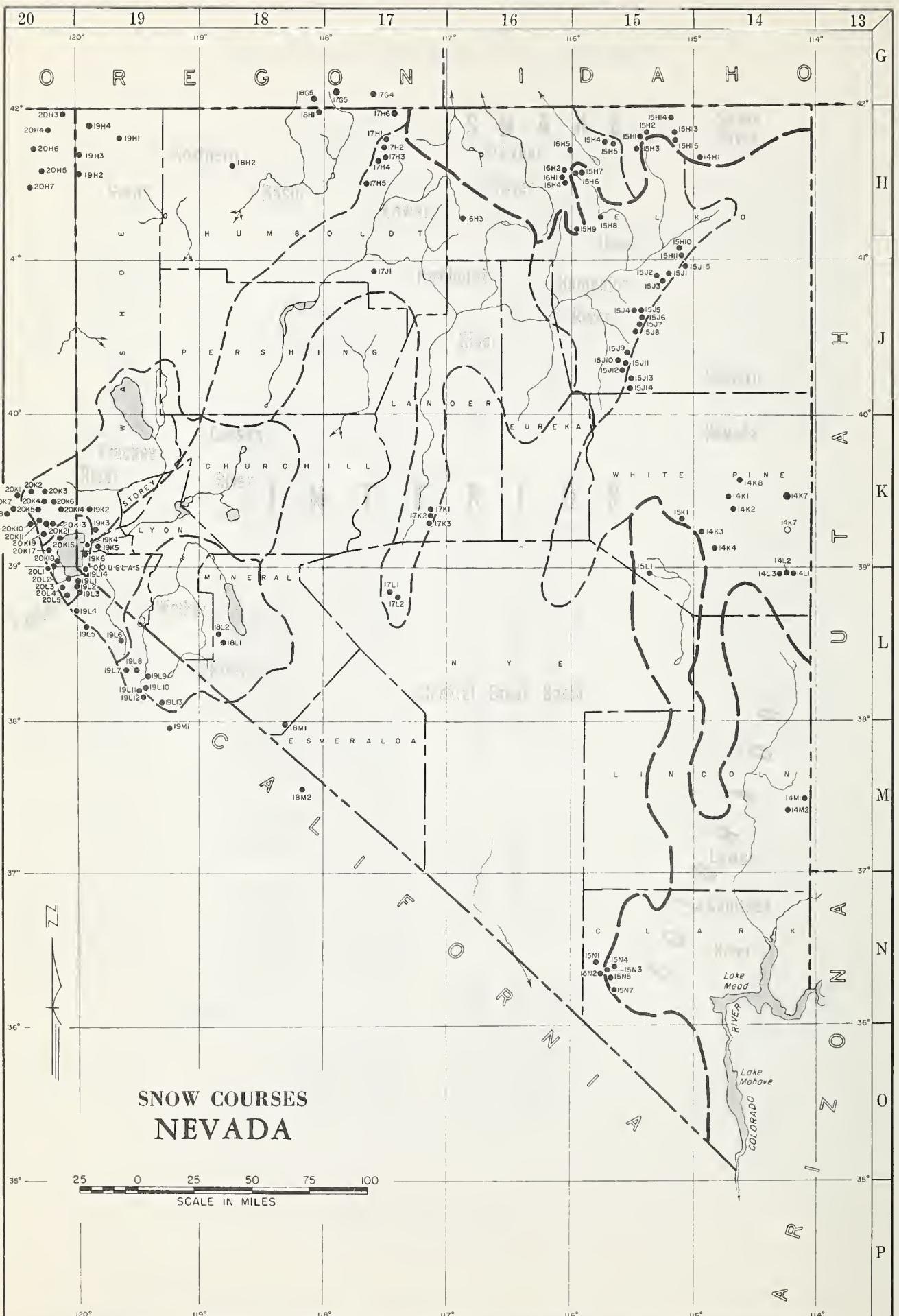
DIRECTOR
DEPARTMENT OF CONSERVATION AND
NATURAL RESOURCES
CARSON CITY, NEVADA



INDEX to NEVADA SNOW COURSES

NUMBER	NAME	SEC.	TWP.	RGE.	ELEV.	NUMBER	NAME	SEC.	TWP.	RGE.	ELEV.						
SNAKE RIVER BASIN																	
SNAKE RIVER																	
15H 1	SEAR CREEK	31	46N	58E	7800	18M 2	CAMPITO MTN	19	55	35E	10200						
15H 4*	BIG BENO	30	45N	56E	6700	15N 2	CLARK CANYON	8	195	56E	9000						
15H 2	FOX CREEK	33	46N	58E	6800	18G 6*	OENIO CREEK A.M. (OREG.)	14	415	34E	6000						
15H13	GOAT CREEK	31	46N	60E	8800	18M 1	MONTGOMERY PASS	4	1N	33E	7100						
15H 5*	GOLO CREEK	31	45N	56E	6600	15N 1	TROUGH SPRINGS	23	185	55E	8500						
15H15	HUMMINGBIRD SPRINGS	6	45N	60E	8945	NORTHERN GREAT BASIN											
14H 1	JAKES CREEK	6	42N	62E	7000	19H 1	BALO MOUNTAIN	17	45N	21E	6720						
15H14	POLE CREEK RANGER STATION	13	46N	59E	8330	20H 5	BARBER CREEK	23	39N	16E	6500						
15H 3	76 CREEK	6	44N	58E	7100	20H 6	CEOAR PASS	12	43N	14E	7100						
OWYHEE RIVER																	
15H 4	BIG BENO	30	45N	56E	6700	18H 1	DISASTER PEAK	8	47N	34E	6500						
15H 7*	FRY CANYON	31	43N	54E	6700	20H 3	OISMAL SWAMP A.M.	31	48N	22E	7000						
15H 5	GOLO CREEK	31	45N	56E	6600	20H 7	EAGLE PEAK	35	40N	15E	8300						
17H 4*	GRANITE PEAK	22	44N	39E	7800	19H 3	49-MTN	7	42N	19E	6000						
16H 4	JACKS PEAK	28	42N	53E	8420	19H 2	HAYS CANYON	1	39N	18E	6400						
16H 5	LAUREL ORAW	20	45N	53E	6700	18H 2	LEONARD CREEK	13	42N	28E	5900						
17G 4	LOUISE CANYON A.M. (OREG.)	27	40S	44E	6440	19H 4	MOSQUITO LAKE A.M.	8	45N	19E	6000						
17H 2*	LOWER BUCKSKIN	25	45N	39E	6700	17G 5	OREGON CANYON A.M. (OREG.)	9	40S	40E	7240						
16H 1	LOWER JACK CREEK	18	42N	53E	6800	17H 6	QUINN RIDGE A.M.	9	47N	41E	6300						
17H 3*	MARTIN CREEK	18	44N	40E	6700	20H 4	RESERVATION CREEK	12	46N	15E	5900						
15H 6*	ROEO FLAT	36	43N	53E	6800	18G 5*	TROUT CREEK A.M. (OREG.)	10	41S	38E	7800						
15H 9	TAYLOR CANYON	35	39N	53E	6200	LAKE TAHOE											
15H 8*	TREMEWAN RANCH	9	39N	55E	5700	19L14	OAGGETTS PASS	19	13N	19E	7350						
17H 1*	UPPER BUCKSKIN	11	45N	39E	7200	20L 5	(CAL.) ECHO SUMMIT	6	11N	18E	7500						
16H 2	UPPER JACK CREEK	9	42N	53E	7250	19K 2	(CAL.) FREEL BENCH	36	12N	18E	7300						
INTERIOR																	
UPPER HUMBOLOT RIVER																	
15H 1*	BEAR CREEK	31	46N	58E	7800	19K 6	GLENBROOK #2	13	14N	18E	6900						
15H 4*	BIG BENO	30	45N	56E	6700	19L 3	(CAL.) HAGANS MEADOW	36	12N	18E	8000						
15J12	CORRAL CANYON	27	28N	57E	8500	20L 4	(CAL.) LAKE LUCILLE	28	12N	17E	8400						
15J 1	DORSEY BASIN	28	35N	60E	8100	19K 4	MARLETTTE LAKE	13	15N	18E	8000						
15J 3	ORY CREEK	5	34N	60E	6500	20L 3	(CAL.) RICHARDSONS #2	6	12N	18E	6500						
15H 2*	FOX CREEK	33	46N	58E	6800	20L 1	(CAL.) RUBICON #1	6	13N	17E	8100						
15H 7	FRY CANYON	31	43N	54E	6700	20L 2	(CAL.) RUBICON #2	6	13N	17E	7500						
15H 5*	GOLO CREEK	31	45N	56E	6600	20K18	(CAL.) RUBICON #3	32	14N	17E	6700						
15J 9	GREEN MOUNTAIN	23	29N	57E	8000	20K16	(CAL.) TAHOE CITY	6	15N	17E	6250						
15J10	HARRISON PASS #1	9	26N	57E	6600	20K17	(CAL.) WARO CREEK	21	12N	18E	6400						
15J11	HARRISON PASS #2	16	28N	57E	7400	TRUCKEE RIVER											
15J 4	LAMOILLE #1	15	32N	58E	7100	20K14	(CAL.) BOCA #2	28	18N	17E	5900						
15J 5	LAMOILLE #2	14	32N	58E	7300	20K11	(CAL.) DONNER LAKE #1	14	17N	15E	5950						
15J 6	LAMOILLE #3	24	32N	58E	7700	20K21	(CAL.) DONNER PARK #2	3	16N	16E	6000						
15J 7	LAMOILLE #4	19	32N	59E	8000	20K10*	(CAL.) DONNER SUMMIT	25	17N	14E	6900						
15J 8	LAMOILLE #5	31	32N	59E	8700	20K 7*	(CAL.) FOROYCE LAKE	34	18N	13E	6500						
16H 1*	LOWER JACK CREEK	18	42N	53E	6800	20K 8*	(CAL.) FURNACE FLAT	10	17N	13E	6600						
15H10	LOWER TROUT CREEK	28	37N	61E	6900	20K 4	(CAL.) INDEPENDENCE CAMP	34	19N	15E	7000						
15H 6	ROEO FLAT	36	43N	53E	6800	20K 3	(CAL.) INDEPENDENCE CREEK	14	19N	15E	6500						
15J 2	RYAN RANCH	1	34N	59E	5800	20K 5	(CAL.) INDEPENDENCE LAKE	9	18N	15E	8450						
15H 3*	76 CREEK	6	44N	58E	7100	19K 3	LITTLE VALLEY	17	16N	19E	6300						
15H 9	TAYLOR CANYON	35	39N	53E	6200	19K 2	MT. ROSE	7	17N	19E	9000						
15H 8	TREMEWAN RANCH	9	39N	55E	5700	20K 6	(CAL.) SAGE HEN CREEK	7	18N	16E	6500						
16H 2*	UPPER JACK CREEK	9	42N	53E	7250	20K19	(CAL.) SQUAW VALLEY #2	6	15N	16E	7500						
15H11	UPPER TROUT CREEK	4	36N	61E	8500	20K16*	(CAL.) TAHOE CITY	6	15N	17E	6250						
LOWER HUMBOLDT RIVER																	
17K 1	BIG CREEK CAMP GROUND	10	17N	43E	6600	19L 5	(CAL.) BOCA #2	28	18N	17E	5900						
17K 2	BIG CREEK MINE	23	17N	43E	7600	19K 5	(CAL.) DONNER LAKE #1	14	17N	15E	5950						
17J 2	GOLCONDA #2	22	35N	39E	6000	19L 6	(CAL.) DONNER PARK #2	3	16N	16E	6000						
17H 4	GRANITE PEAK	22	44N	39E	7800	20K 7*	(CAL.) DONNER SUMMIT	25	17N	14E	6900						
17H 5	LAMANCE CREEK	13	42N	38E	6000	20K 8*	(CAL.) FOROYCE LAKE	34	18N	13E	6500						
17H 2	LOWER BUCKSKIN	25	45N	39E	6700	20K 4	(CAL.) FURNACE FLAT	10	17N	13E	6600						
17L 1	LOWER CORRAL	12	11N	40E	7500	19L 9	(CAL.) INDEPENDENCE CAMP	14	19N	15E	6500						
17H 3	MARTIN CREEK	18	44N	40E	6700	19L 1	(CAL.) INDEPENDENCE LAKE	9	18N	15E	8450						
16H 3	MIOSAS	18	39N	46E	7200	19K 2	LITTLE VALLEY	17	16N	19E	6300						
17K 3	UPPER BIG CREEK	26	17N	43E	8000	19L 6	MT. ROSE	7	17N	19E	9000						
17H 1	UPPER BUCKSKIN	11	45N	39E	7200	20K 6	(CAL.) SAGE HEN CREEK	7	18N	16E	6500						
17L 2	UPPER CORRAL	20	11N	41E	8500	20K19	(CAL.) SQUAW VALLEY #2	6	15N	16E	7500						
EASTERN NEVAOA																	
14L 1	BAKER #1	29	13N	69E	7950	19L 11	(CAL.) BUCKEYE FORKS	20	4N	23E	8500						
14L 2	BAKER #2	30	13N	69E	8950	19L10	(CAL.) BUCKEYE ROUGHS	15	4N	23E	7900						
14L 3	BAKER #3	25	13N	68E	9250	19L12	(CAL.) CENTER MOUNTAIN	4	3N	23E	9400						
14K 2	BERRY CREEK	26	17N	65E	9100	18L 1	LAPON MEADOW	36	8N	28E	9000						
14L 1	BIRD CREEK	34	19N	65E	7500	19L 8	(CAL.) LEAVITT MEADOWS	4	5N	22E	7200						
15J13	CAVE CREEK	25	27N	57E	7500	18L 2	MT. GRANT	23	8N	28E	9000						
15J14	HAGER CANYON	34	27N	57E	8000	19L 7	(CAL.) SONORA PASS	1	5N	21E	8800						
15J15	HOLE-IN-MTN	6	35N	61N	7900	19L13	(CAL.) VIRGINIA LAKES	5	2N	25E	9500						
14K 8	KALAMAZOO CREEK	34	20N	65E	7400	19L 9	(CAL.) WILLOW FLAT	21	5N	23E	8250						
14K 3	MURRAY SUMMIT	25	16N	62E	7250	COLORADO											
15K 1	ROBINSON SUMMIT	34	18N	61E	7600	15N 5	KYLE CANYON	26	195	56E	8200						
14K 7	SILVER CREEK #2	30	16N	69E	8000	15N 4	LEE CANYON #1	10	195	56E	8300						
14K 5	WARO MOUNTAIN #2	25	15N	62E	7875	15N 3	LEE CANYON #2	9	195	56E	9000						
15L 1*	WHITE RIVER #1	31	13N	59E	7400	14M 1	MATHEW CANYON	11	55	70E	6000						
						14M 2	PINE CANYON	11	65	69E	6200						
						15N 7	RAINBOW CANYON #2	6	205	57E	8100						
						15L 1	WHITE RIVER #1	31	13	59E	7400						

* LOCATED ON ADJACENT WATERSHED
A. M. - AERIAL SNOW DEPTH GAGE.



WATER SUPPLY OUTLOOK
FOR NEVADA

February 1, 1961

*
* Nevada spring-summer water supply outlook is poor. *
* Snow stored water in the mountains is much below *
* average. Reservoirs are very low. Mountain soils *
* are damp. These damp soils will reduce spring-summer *
* streamflow. *
* *

Water users in Nevada can expect a poor water supply this coming irrigation season unless precipitation during the next two months is much above normal. Reservoirs are low at 16 percent capacity and 26 percent of the February 1 average.

In northern Nevada on the Snake River watershed the mountain snowpack is 34 percent of the 1943-57 February 1 average. On the Owyhee the mountain snowpack is 40 percent of the 1943-57 February 1 average. Assuming normal precipitation the remainder of the winter the Owyhee is forecasted to flow during April-July as follows:

Owyhee near Gold Creek	9,000 acre feet	33% (1943-57 ave.)
Owyhee near Owyhee	28,000 acre feet	33% (1943-57 ave.)

Snow stored water on the Humboldt River watershed is 51 percent of the 1943-57 February 1 average. Seventy percent of normal winters snowpack is usually on the ground in the Humboldt basin by February 1. This year only 36 percent has accumulated.

In the Santa Rosas and the Upper Quinn River areas the February 1 snowpack is less than the last two years. Rye Patch reservoir now holds 8,000 acre feet which is 4 percent of capacity. Humboldt at Palisade is forecasted to flow 50,000 acre feet during April-July which is 22 percent of the 1943-57 average.

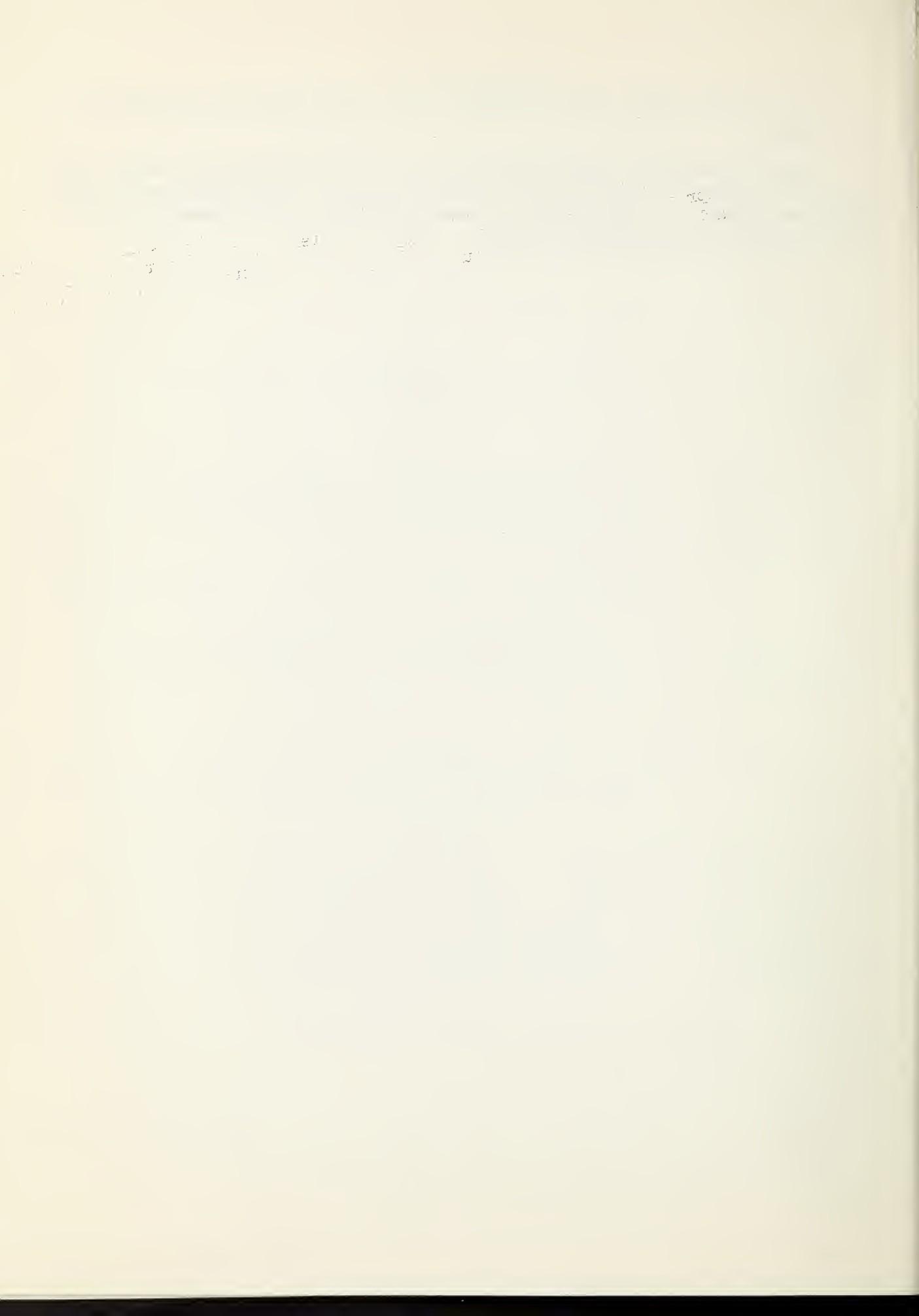
In the Sierras snow surveys in the Lake Tahoe and Truckee River Basins show the snowpack to be 43 percent of the 1943-57 February 1 average. Assuming normal precipitation during the next two months and in view of Lake Tahoe's low elevation (6223.75) it is doubtful that the Floriston rate can be maintained throughout the summer. With normal precipitation Lake Tahoe's elevation will not reach 6225.0. This amount of storage will not permit the maintenance of required flows in the Truckee River through the entire irrigation season.

Snow cover on the Carson watershed is slightly better than last year at this time at 35 percent of the 1943-57 February 1 average. Lahontan Reservoir storage is 76,000 acre feet.

Moving south to the Walker River watershed the snowpack is better than last year at 45 percent of the 1943-57 February 1 average. The West Walker near Coleville is forecasted to flow 75,000 acre feet during April-July or 51 percent of the 1943-57 average. Topaz Reservoir storage is 10,000 acre feet and Bridgeport Reservoir storage is 9,000 acre feet.

In southern Nevada, Pine and Mathew Canyon snow courses are 55 percent of average.

Water users should begin considering how to best utilize the limited water supply anticipated. Conservation of water can be effected by such means as improved irrigation systems, use of water on younger or best stands of alfalfa and planting of early maturing crops.



NEVADA

STATUS OF RESERVOIR STORAGE

FEBRUARY 1, 1961

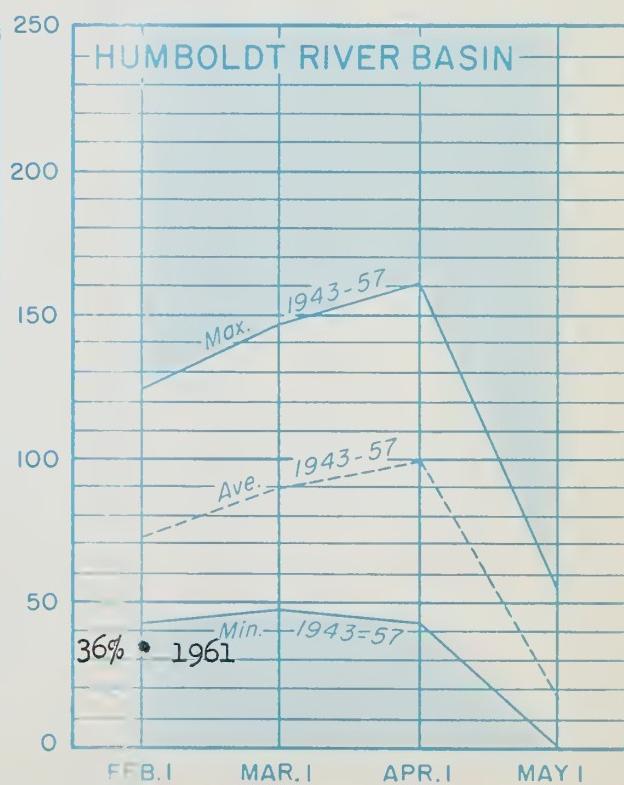
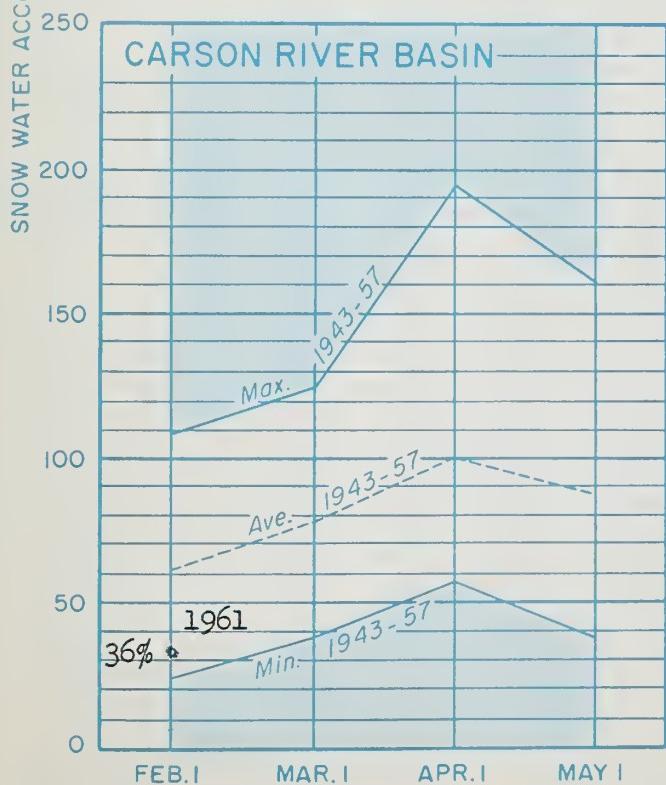
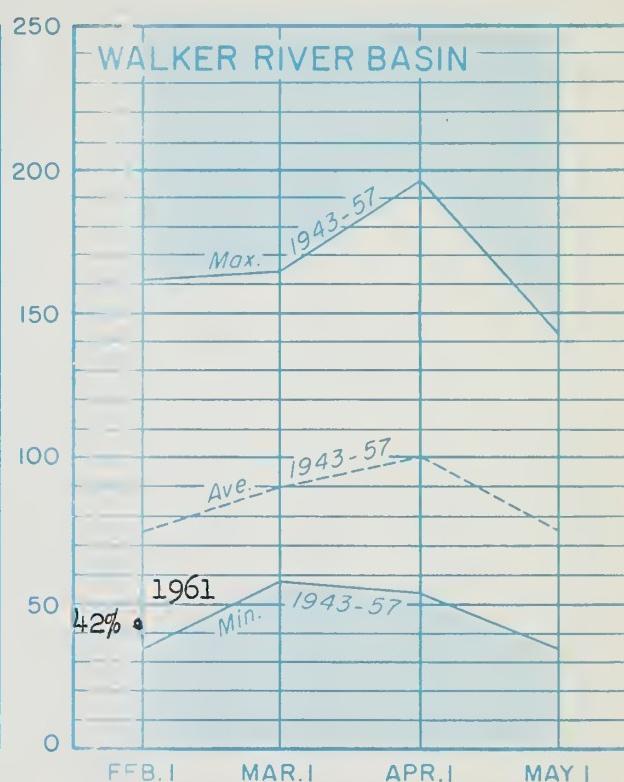
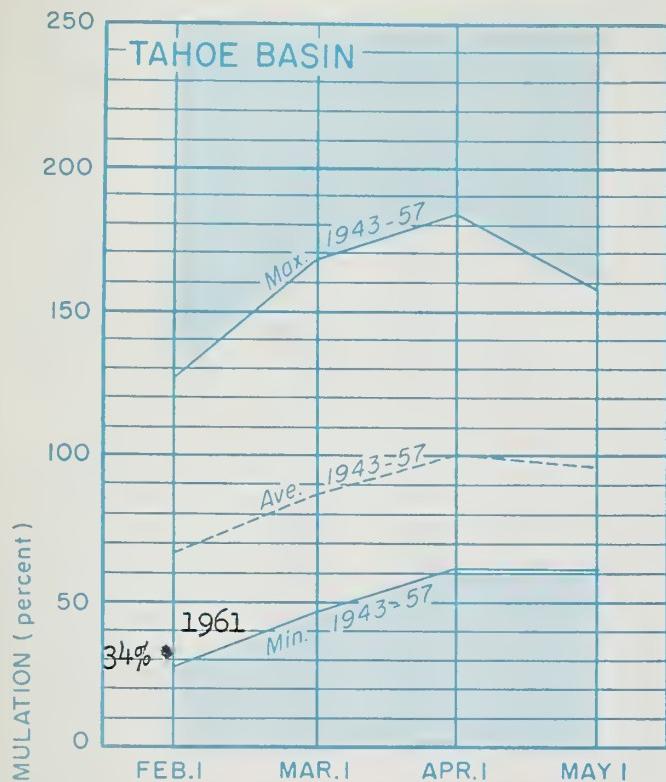
BASIN AND STREAM	RESERVOIR	USABLE CAPACITY (1000 AF)	USABLE STORAGE - 1000 ACRE FEET			FEBRUARY 1 15-YR. AVE. 1943-57
			1961	1960	1959	
Owyhee	Wild Horse	33	13	9	21	12
Lower Humboldt	Rye Patch	179	8	22	115	95
Colorado	Mohave	1,810	1,696	1,780	1,678	1,427*
Colorado	Mead	27,217	18,978	19,283	21,515	17,464
Tahoe	Tahoe	732	92	242	523	461
Truckee	Boca	41	10	10	4	10
Carson	Lahontan	286	76	90	202	198
West Walker	Topaz	59	10	11	45	36
East Walker	Bridgeport	42	9	14	37	30

* 1950-57 average. Storage began in 1950.



SNOW WATER ACCUMULATION in NEVADA by BASIN

FEBRUARY 1, 1961



282. 11. 1928.

282.

282. 11. 1928.

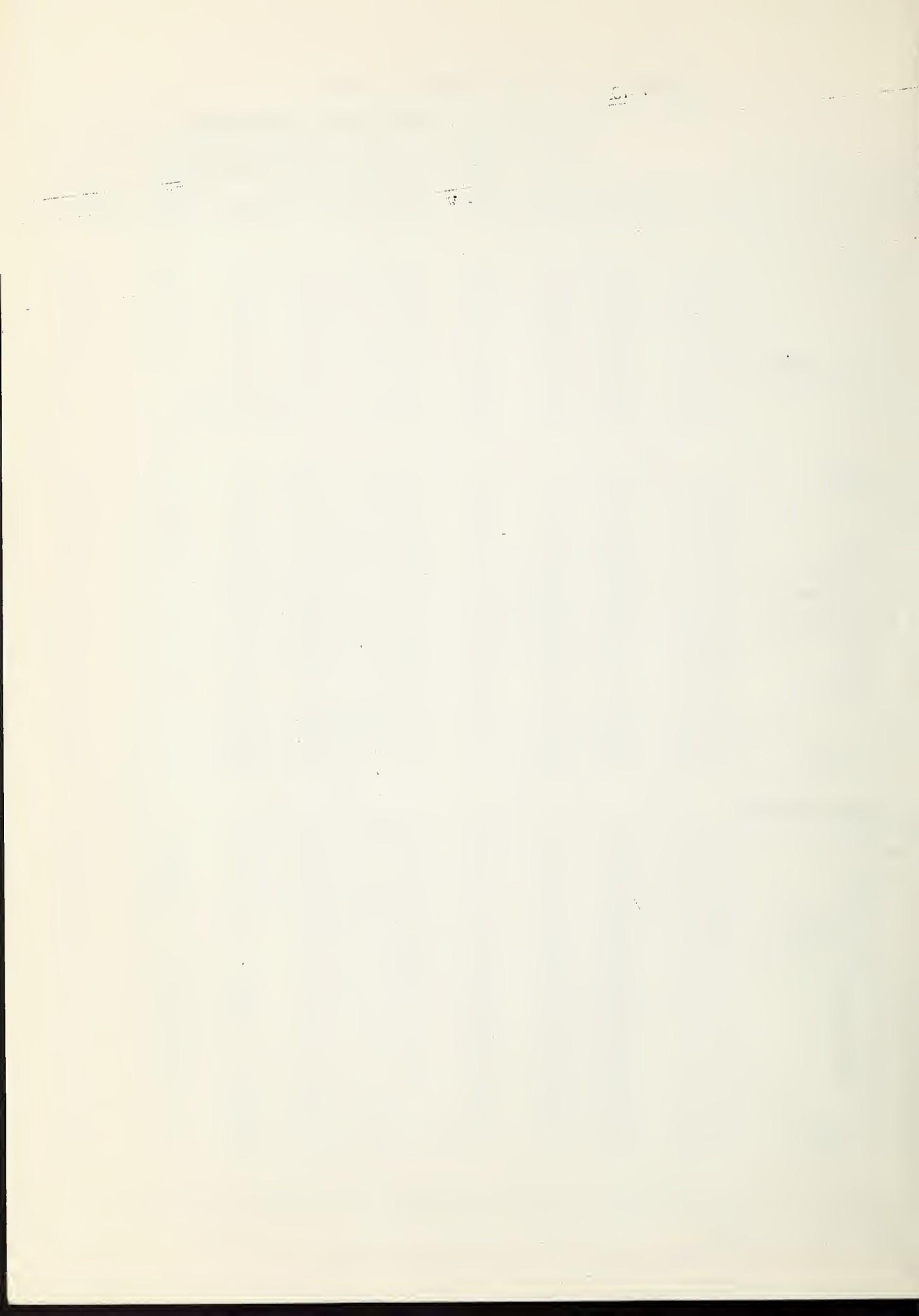
NEVADA SNOW SURVEYS FEBRUARY 1, 1961

DRAINAGE BASIN AND SNOW COURSE	No.	Elev. (Ft.)	Survey:	SNOW COVER MEASUREMENTS						
				1961		Past Record			1943-57	in 1943-57
				Date	Snow Depth	Water Content (In.)	Content (In.)	1960		
SNAKE RIVER										
Bear Creek	15H1	8145	2/1	24	6.6 ^e	7.5	10.7	-	-	3
*Big Bend	15H4	6700	1/31	15	3.0	3.8	3.0	8.4	-	10
Goat Creek	15H13	8800	1/30	24	6.5	6.8	7.6	-	-	3
*Gold Creek	15H5	6600	1/31	8	1.6	3.1	2.4	4.8	-	9
Hummingbird Springs	15H15	8870	2/1	10	2.8 ^e	6.9	8.2	-	-	3
Pole Creek R. S.	15H14	8330	1/30	26	7.2	6.6	8.9	-	-	3
Red Point	15H18	7940	2/1	6	1.7 ^e	New Course			-	-
76-Creek	15H3	7100	1/27	20	4.8	4.0	4.9	-	-	3
OWYHEE RIVER										
*Bear Creek	15H1	8145	2/1	24	6.6 ^e	7.5	10.7	-	-	3
Big Bend	15H4	6700	1/31	15	3.0	3.8	3.0	8.4	-	10
*Fry Canyon	15H7	6700	1/31	12	3.2	4.2	1.2	6.6	-	8
Gold Creek	15H5	6600	1/31	8	1.6	3.1	2.4	4.8	-	9
*Granite Peak	17H4	6700	1/26	12	3.6	5.8	5.6	-	-	2
Jack Creek, Lower	16H1	6800	1/30	4	1.0	3.1	1.5	-	-	2
Jack Creek, Upper	16H2	7250	1/30	12	3.0	5.8	4.6	-	-	2
Jacks Peak	16H4	8420	1/30	37	13.0	8.5	-	-	-	0
Laurel Draw	16H5	6700	1/27	14	3.0	4.8	3.0	-	-	0
*Martin Creek	17H3	6700	1/26	16	4.2	4.9	4.2	-	-	2
*Rodeo Flat	15H6	6800	1/31	11	2.7	4.0	0.8	6.1	-	8
*76-Creek	15H3	7100	1/27	20	4.8	4.0	4.9	-	-	3
Taylor Canyon	15H9	6200	2/2	5	1.0	3.9	1.9	-	-	2
*Tremewan Ranch	15H8	5700	1/31	T	T	1.8	0.0	-	-	3
UPPER HUMBOLDT RIVER										
*Bear Creek	15H1	8145	2/1	24	6.6 ^e	7.5	10.7	-	-	3
*Big Bend	15H4	6700	1/31	15	3.0	3.8	3.0	8.4	-	10
Fry Canyon	15H7	6700	1/31	12	3.2	4.2	1.2	6.6	-	8
*Gold Creek	15H5	6600	1/31	8	1.6	3.1	2.4	4.8	-	9
*Jack Creek, Lower	16H1	6800	1/30	4	1.0	3.1	1.5	-	-	2
*Jack Creek, Upper	16H2	7250	1/30	12	3.0	5.8	4.6	-	-	2
*Jacks Peak	16H4	8420	1/30	37	13.0	8.5	-	-	-	0
Lamoille #1	15J4	7100	2/1	19	4.4	6.2	3.0	7.0	-	5
Lamoille #2	15J5	7200	2/1	14	3.4	6.2	3.6	5.8	-	5
Lamoille #3	15J6	7700	2/1	18	4.6	6.7	4.2	8.2	-	5
Lamoille #4	15J7	8000	2/1	25	7.4	7.0	-	12.2	-	5
Lamoille #5	15J8	8700	2/1	36	11.1	9.2	-	19.1	-	5
Rodeo Flat	15H6	6800	1/31	11	2.7	4.0	0.8	6.1	-	8
*76-Creek	15H3	7100	1/27	20	4.8	4.0	4.9	-	-	3
*Taylor Canyon	15H9	6200	2/2	5	1.0	3.9	1.9	-	-	2
Tremewan Ranch	15H8	5700	1/31	T	T	1.8	0.0	-	-	3

* Located on adjacent drainage

** Averages not computed for snow courses with less than 5 years of record in the 1943-57 period.

e Aerial snow depth gage reading; water content estimated.



NEVADA SNOW SURVEYS FEBRUARY 1, 1961

DRAINAGE BASIN AND SNOW COURSE	No.	SNOW COVER MEASUREMENTS							
		1961		Past Record					
		Elev. (Ft.)	Date : Survey : (In.)	Snow Depth : (In.)	Water Content : (In.)	Water Content : (In.)	1960	1959	No. Yrs.
<u>LOWER HUMBOLDT RIVER</u>									
Granite Peak	17H4	7800	1/26	12	3.6	5.8	5.6	-	2
Martin Creek	17H3	6700	1/26	16	4.2	4.9	4.2	-	2
Lower Corral	17L2	7500	1/30	0	0.0	-	-	-	0
Upper Corral	17L1	8500	1/30	4	1.2	-	-	-	0
<u>QUINN RIVER</u>									
Denio Creek	18G6	6000	Report	Delayed	e	1.4e	0.9e	-	0
Disaster Peak	18H1	6500	1/25	24	7.3	-	-	-	0
Louse Canyon	17G4	6440	Report	Delayed	e	3.0e	1.7e	-	0
Oregon Canyon	17G5	7240	Report	Delayed	e	4.4e	1.3e	-	0
Quinn Ridge	17H6	6300	Report	Delayed	e	3.7e	1.4e	-	0
Trout Creek	18G3	7800	Report	Delayed	e	2.8e	2.0e	-	0
<u>LOWER COLORADO RIVER</u>									
Mathew Canyon	14M1	6000	1/31	2	1.4	4.2	0.0	2.7	6
Pine Canyon	14M2	6200	1/31	3	1.6	4.2	0.0	2.6	8
<u>TAHOE</u>									
Daggetts Pass	19L14	7350	1/31	10	4.4	3.5	1.5	8.5	8
Echo Summit	20L5	7500	1/30	32	10.6	11.4	12.6	26.6	15
Freel Bench	19L2	7300	2/1	11	4.5	4.6	-	11.7	5
Glenbrook #2	19K6	6900	2/5	16	4.8	4.4	3.0	10.5	5
Hagans Meadow	19L3	8000	2/1	20	6.7	6.0	-	-	4
Marlette Lake	19K4	8000	1/31	29	8.8	6.2	5.5	14.9	9
Richardsons #2	20L3	6500	2/5	24	7.1	7.4	5.8	15.2	7
*Squaw Valley #2	20K19	7500	1/30	45	15.2	26.6	-	-	2
Tahoe City	20K16	6250	2/2	0	0.0	6.3	1.8	9.4	14
Upper Truckee	19L1	6400	2/1	7	3.1	3.8	-	9.5	8
Ward Creek	20K17	7000	2/2	48	18.5	17.9	12.2	28.7	7

* Located on adjacent drainage.

** Averages not computed for snow courses with less than 5 years of record in the 1943-57 period.

e Aerial snow depth gage reading; water content estimated.

NEVADA SNOW SURVEYS FEBRUARY 1, 1961

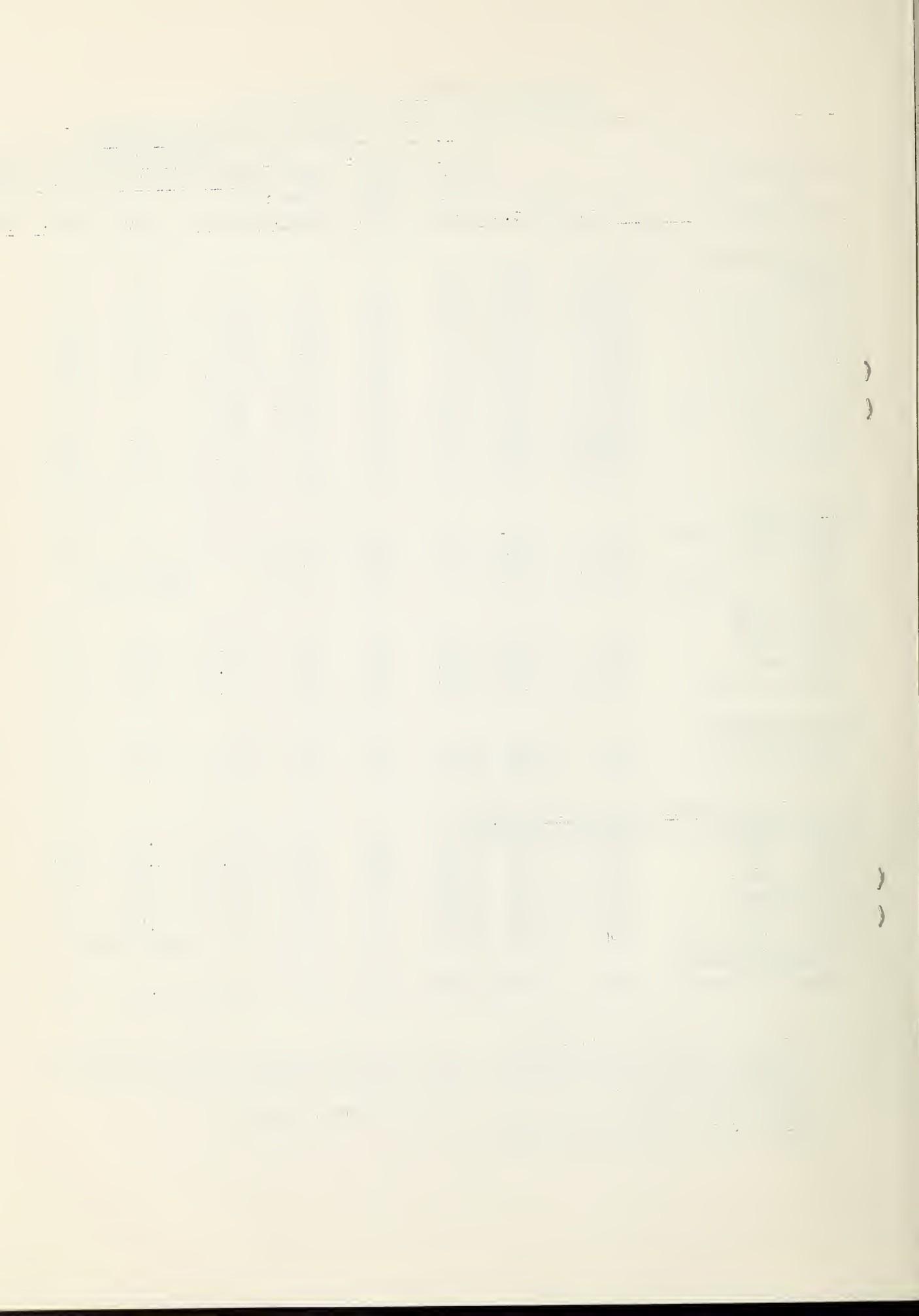
DRAINAGE BASIN AND SNOW COURSE	No.	Elev. (Ft.)	Survey: (In.)	SNOW COVER MEASUREMENTS					No. Yrs. 1943-57 in 1943-57	
				1961		Past Record				
				Date : of Survey:	Snow Depth: (In.)	Water Content: (In.)	Water Content (In.)	1960	1959	Avg.
TRUCKEE RIVER										
Boca #2	20K14	5900	1/30	T	T	4.3	0.0	7.9		8
Donner Park #2	20K21	6000	1/30	18	4.9	9.4	5.4	-		0
*Donner Summit	20K10	6900	2/2	37	13.3	21.0	10.9	25.7		15
*Fordyce Lake	20K7	6500	2/1	33	13.2	18.0	11.0	23.4		14
*Furnace Flat	20K8	6600	2/1	49	17.0	23.9	12.9	26.6		14
Sage Hen Creek	20K6	6500	2/3	20	6.4 ^a	9.9	6.0	15.7		11
Squaw Valley #2	20K19	7500	1/30	45	15.2	26.6	-	-		2
Tahoe City	20K16	6250	2/2	0	0.0	6.3	1.8	9.4		14
Truckee #2	20K13	6400	2/3	16	5.4	9.1	4.4	11.9		6
*Ward Creek	20K17	7000	2/2	48	18.5	17.9	12.2	28.7		7
CARSON RIVER										
Carson Pass (Upper)	19L4	8600	1/29	31	7.1	9.4	14.8	22.4		15
Poison Flat	19L6	7900	2/3	24	7.2 ^e	-	-	-		0
Upper Fish Valley	19L16	8050	2/3	24	7.2 ^e		New Course			0
WALKER RIVER										
Sonora Pass	19L7	8800	1/30	32	9.5	5.9	7.8	-		4
Tioga Pass	19M1	9900	1/25	25	9.2	6.3	8.4	20.5		9
Virginia Lakes	19L13	9500	1/30	30	8.6	4.2	4.3	-		4
WHITE MOUNTAINS										
Campito Mtn.	18M2	10200	1/25	14	4.3	T	0.0	-		0
Montgomery Pass	18M1	7100	1/24	T	T	1.2	0.0	-		0
NORTHERN GREAT BASIN (Surprise Valley)										
Barber Creek	20H2	6500	1/27	17	5.1	4.1	4.8	-		0
Cedar Pass	20H6	7100	1/30	26	7.2	8.4	3.5	10.8		13
Dismal Swamp	20H3	7000	1/23	26	8.1 ^e	5.5 ^e	5.7 ^e	-		0
49-Mountain	19H3	6000	1/26	4	1.2	4.0	1.4	-		0
Hays Canyon	19H2	6400	1/26	T	T	2.7	1.5	-		0
Little Bally Mtn. (Mosquito Lake)	19H4	6000	1/23	T	T ^e		New Course			
Reservation Creek	20H1	5900	1/27	15	4.6	5.3	3.7	-		0

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a Timber cover destroyed by fire.



Agencies Cooperating in Collecting Data Contained in this Bulletin

FEDERAL

Soil Conservation Service
Forest Service
Geological Survey
Bureau of Reclamation
Fish and Wildlife Service
Army
Navy
Weather Bureau
Agricultural Research Service

STATE

Nevada Department of Conservation & Natural Resources
Division of Water Resources
Nevada State Forester-Firewarden
Nevada Cooperative Snow Surveys
Colorado River Commission of Nevada
California Cooperative Snow Surveys
California Department of Water Resources
Oregon Cooperative Snow Surveys
Nevada Association of Soil Conservation Districts

PRIVATE

Walker River Irrigation District
Amalgamated Sugar Company
Owyhee Project North Board of Control
Owyhee Project South Board of Control
Virginia City Water Company
Kennebott Copper Corporation
Squaw Valley Development Company
Pacific Gas & Electric Company
Nevada Irrigation District
Sierra Pacific Power Company
Washoe County Water Conservation District
Truckee-Carson Irrigation District
Pershing County Water Conservation District

Other organizations and individuals furnish valuable information for the snow survey reports. Their Cooperation is gratefully acknowledged.

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